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(54) Title: HUMAN IL-1 BETA ANTAGONISTS

(57) Abstract: The present invention encompasses isolated antibodies, or antigen-binding portions thereof, that specifically bind mature human IL-1 Beta. These antibodies, or antigen-binding portions thereof, generally exhibit high binding affinities (low  $k_{off}$  values), reduced deamidation compared to the native antibody, and can be used to treat various diseases such as rheumatoid arthritis, osteoarthritis, or neuroinflammation.

## Declarations under Rule 4.17:

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